

# PRB650QV-J3

# AC 2U 3+1 Redundant

## Features

- 650W 6 Outputs, AC Active PFC Input Design
- Build in Active (Single wire) Current Sharing
- Meet Intel ATX 12V/SSI EPS Requirements
- Fan Signal O/P – Frequency Generator O/P
- Individual PG Signals and System PG Signal
- Individual LED on Module and from Backplane
- System Alarm Buzzer and System TTL Signal
- Complies with FCC Class B, CISPR Pub. 22, EN55022 Class B, and CE requirements
- UL/cUL 60950, TUV and CB EN 60950 certified
- MTBF 100KHRs @ 25 °C per MIL-HDBK-217F
- 3 years manufacturer warranty



## Electrical Specifications

### AC Input

- |                   |                 |                   |                                |
|-------------------|-----------------|-------------------|--------------------------------|
| ▪ Input Voltage   | 90 – 264 VAC    | ▪ Efficiency      | >63% @ full load, nominal line |
| ▪ Input Current   | 5.0A max/module | ▪ Inrush Current  | 80A max/module @ cold start    |
| ▪ Input Frequency | 47 – 63 Hz      | ▪ Leakage Current | 0.75mA max/module @ 264Vac     |

### DC Output - 650W Max

Voltage	+5V	+12V	+3.3V*	-5V*	-12V*	+5VSB*
Max load	65.0A	36.0A	58.0A	1.0A	4.0A	4.0A
Min load – Rev A	3.00-6.00A	0-1.5A	0-1.0A	0.0A	0.0A	0.0A
Min load – Rev B	0.00-3.00A	0-1.5A	0-1.0A	0.0A	0.0A	0.0A
Peak load	---	45.0A	---	---	---	---
Regulation	±3%	±3%	±3%	±10%	±5%	±5%
Ripple & Noise	50mV	120mV	50mV	100mV	120mV	50mV

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|---------------------------------------------------|---------------------------------------------------|
| ▪ The continuous total output power is 650W max   | ▪ Transient Overshoot: 10% max w/ 20% load change |
| ▪ The combined power of +5V and +3.3V is 340W max | ▪ Rise Time: 20 msec (maximum) @ full load        |
| ▪ The peak load on +12V lasting 15 seconds max    | ▪ Power Up Time: 800 msec (maximum) @ full load   |
| ▪ The outputs marked with " * " can be optional   | ▪ Over Power Protection: 150% max/module          |
| ▪ Remote ON/OFF: TTL High/PS OFF, TTL Low/PS ON   | ▪ Over Current Protection on all outputs          |
| ▪ PG delay: 100-500 msec; PF delay: > 1 msec      | ▪ Over Voltage Protection on +5V, +12V, and +3.3V |
| ▪ Hold-Up time: 20 msec (minimum) @ full load     | ▪ Short Circuit Protection on all outputs         |

## Mechanical Dimension

- W x L x H = 169 x 240 x 83.0 mm / 6.65 x 9.45 x 3.27 inch (\* Mounting brackets are not included in these dimensions!)